

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT : **MARANAS, Costas D. et al.**  
SERIAL NO : 10/043,440  
FILED : January 10, 2002  
TITLE : **METHOD AND SYSTEM FOR MODELING CELLULAR  
METABOLISM**

Grp./A.U. : 1631  
Examiner : CLOW, Lori A.  
Conf. No. : 1336  
Docket No. : P05468US01

**RESPONSE TO OFFICE ACTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Assistant Commissioner:

Responsive to the Office Action mailed January 15, 2009, entry of the following amendments and consideration of the following remarks is respectfully requested.

Amendments to the claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks begin on page 9 of this paper.

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**CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

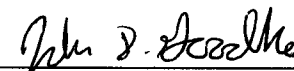
**MAILING**

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Date: July 13, 2009

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☒ transmitted by electronic/facsimile to the Patent and Trademark Office, Art Unit 1631, at Fax No. (571) 273-8300

  
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John D. Goodhue